No.



200000231

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Gebero Seeds B.A.

COLUMN THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN SECING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY THON ACT. IN THE UNITED STATES SEED OF THIS VARIETY (I) SHALL BE SOLD BY VARIETY NAME ONLY AS A EXTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THIS VARIETY THE PLANT OF THE OWNER OF THE PLANT OWNER OWNER OWNER OWNER OWNER OWNER OWNE

BARLEY

'Jersey'

In Vestimour Increat, I have hereunto set my hand and caused the seal of the Hunt Inviety Protection Office to be affixed at the City of Washington, D.C. this second day of April, in the year two thousand two.

Allest.

Palm Jakul

Commissioner Plant Variety Protection Office Agricultural Marketing Service Agriculturo

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

Head Registration Dept.

The following state thents are made in accordance with the Privacy Act of 1974 (5.U.S.C. 5) the Paperwork Reduction Act (PRA) of 1995

Application is recurred in order to determine if a pant vanety protection conditions is to be in (7.0 \pm C. 2421). Information is held confidential until conditions is issued (7.0 \pm C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse) 1 NAME OF OWNER 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME 3 VARIETY NAME 2/27/02 CEBECO ZADEN BY SEEDS B.V. **CEBECO 9538 JERSEY** 4. ADDRESS. (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 5 TELEPHONE (include area code) FOR OFFICIAL USE O +31 73 51 88 555 PVPO NUMBER POB 10000 5250 GA Vlijmen The Netherlands +31 73 51 88 666 FILING DATE IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (exporation, partnership, association, etc.) 8. IF INCORPORATED, GIVE STATE OF INCORPORATION 9. DATE OF INCORPORATION MAY8,7000 10 NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (First person listed will receive all papers) FILING AND EXAMINAT 11 TELEPHONE (Include area code) 12. FAX (Include area code) 13. E_MAIL 14 CROP KIND (Common Name) Spring barley 15 GENUS AND SPECIES NAME OF CROP 16. FAMILY NAME (Botanical) 17. IS THE VARIETY A FIRST GENERAL HYBRID? Hordeum vulgare L. Graminae YES X NO 18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on 19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS C CERTIFIED SEED? See Section £3(a) of the Plant Variety Protection Act| Exhibit A. Origin and Breeding History of the Variety YES (# "yes", arower kems 20 and 21 below) NO (If "no," go to item 22 Exhibit 8. Statement of Distinctness Exhibit C. Objective Description of Variety 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUM OF GENERATIONS? Exhibit D. Additional Description of the Variety (Optional) Exhibit E. Statement of the Basis of the Owner's Ownership Voucher Sample (2,500 viable untreated seeds or, for luber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) 21. IF YES' TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED! FOUNDATION REGISTERED CERTIFIED Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office) l aen.O 22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? 23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLE(
PROPERTY RIGHT (PLANT BREEDERS RIGHT OR PATENT)? νες France 1999 (spring)νο 🔞 YES EU, 1999 IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.) IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.) 24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, of for a tuber propagated variety a tissue outure will be deposited in a public repository and maintained for the duration of the certificate. or of this securally reproduced or tubor propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, islights of Section 42 of the Plant Variety Protection Act. n jeopardize protection and result in peru SIGNATURE OF OWNER WHE (Please print or typ NAME (Please print or type) Ir.Bert Scholte CAPACITY OR TITLE CAPACITY OR TITLE DATE

April 18, 2000



EXHIBIT A

Origin and Breeding History of Cebeco 9538 (Jersey) (Hordeum vulgare L.)

1. Genealogy

Cebeco 9538 is selected out of the following crossing:

Apex * Alexis in 1990. Seed of both Apex and Alexis is available on the market.

In 1992 a single plant was selected in the F3, followed by line selection and replicated yield trials.

The breeding process was carried out at our breeding station in Lelystad in the Center of the Netherlands. Our breeding station is situated on 150 ha reclaimed land on heavy clay soil and is equipped with all the necessary facilities including lab facilities and greenhouses.

2. Breeding goals

The breeding goals were:

Generation Criteria for selection

F2 plant selection General type

F3 line selection Diseases

Malting quality

F4 line selectionDiseases
Agronomic characteristics

Malting quality

Yield

F5 line selection Diseases

Agronomic characteristics

Malting quality

Yield

F6 line selection Diseases

Agronomic characteristics

Malting quality

Yield



Exhibit A-bis

Evidence of Uniformity and Stability of Cebeco 9538 (Jersey) (Hordeum vulgare L.)

Jersey has been tested in official DUS trials in France in the years 1997-1998. Based on the results from these trials The French authorities have concluded the following:

- 1. During the testing years no variants were observed, thus confirming the Uniformity of Jersey.
- 2. Over the years Jersey has proven to be a Stable variety.



Exhibit B

Statement of Distinctness of of Cebeco 9538 (JERSEY) (Hordeum vulgare L.)

Jersey has been found Distinct from all other known varieties but is most similar to Baronesse. However Jersey can be distinguished from Baronesse in the characteristics, as described in the following table. The data in this table have been recorded in trials on our breeding station in Lelystad, the Netherlands.

×.		Jersey	Baronesse	
Character				
Mildew resistance	1995 1996 1997	· 1 1 1	7 7 7	scale: 1 = resistant 9 = susceptible
Standing ability				
	1996 1997 1998	2 4 2	7 8 7	scale: 1 = 100 % standing 9 = 100 % lodged
		• .	N.	
Plant height	-1995 1996	80 89	93 95	scale: centimeters

EXHIBIT C (Barley)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

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ISTRUCTIONS:	See Reverse.		BAKLET	(HORDEUM VULGARE)
15 1 11 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-40 30101001			

CEBÉCO ZADEN BV	PYPO NUMBER O O O O O O
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	20000023
POB 10000 5250 GA Vlijmen – The Netherlands	VARIETY NAME OR TEMPORARY DESIGNATION CEBECO 9538-JERSE
Place the appropriate number that describes the varietal character of the	
Place a zero in first box (i.e. 0 8 9 or 0 9) when number is eit	her 99 or less or 9 or less.
1. GROWTH HABIT:	
1 - SPRING 2 - FACULTATIVE WINTER 3-WINTER 2	Early Growth: 1 * PROSTRATE 2 = SEMIPROSTRATE 3 = ERECT
2. MATURITY (50% Flowering):	
2 1=EARLY (California Mariout) 2 = MIDSEASON (Betzes) 3 =	LATE (Frontier)
트를 가입을 생활하는 것이 되었습니다. 그는 생각이 있는 것이 없는 것이 없는 것이다. 	
No. of days Earlier than 1 = BETZES 2 = CALIFOR	RNIA MARIOUT 3 = CONQUEST 4 = DICKSON
Baronesse 5= PIROLINE 6= PRIMU	S 7 = UNITAN
No. of days Later than	
3, PLANT HEIGHT (From soil level to top of head):	
1 = SEMIDWARE 2 = SHORT (California Mariout) 3 = MEDIUM	TALL (Betzes) 4 = TALL (Conquest)
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5 - PIROLINE 6 - PRIM	and the contract of the contra
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1 = 0 .2 == 3 = 2 .10 em	Anthocyanin: 1 = ABSENT 2 = PRESENT
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	DUCE LOCALLY. Include form number and date on all reproductions. U.S. DEPARTMENT OF AGRICULTURE	FORM APPROVED - OMB				
	AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995. Application is required in order to determine if a plant variety protection.				
۲.	EXHIBIT E					
	STATEMENT OF THE BASIS OF OWNERSHIP	certificate is to be issued (7 U.S. until certificate is issued (7 U.S.C	.C. 2421). In C. 2426).	formation is held confidention		
1. NAM	E OF APPLICANT(S)	2. TEMPORARY DESIGNATION	1	TY NAME		
aH	OFFICE TAREAL SEENS BY	OR EXPERIMENTAL NUMBER	٩			
202	CEBECO ZADEN-BV SEEDS B.V.	CEBECO 9538	JER	SEY		
4. ADDI	RESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)		sclude area code)		
	POB 10000	+31 73 51 88 555	+31	73 51 88 666		
	5250 GA VIijmen - NL	7. PVPO NUMBER 2	000	00231		
8. Does	s the applicant own all rights to the variety? Mark an "X" in appropriate	<i>a block.</i> If no, please explain.	XX YES	□ NO		
9. Is the	applicant (individual or company) a U.S. national or U.S. based compa	ny?	YES	χνο		
If no,	give name of country The Netherlands			₩ NO		
10. Is th	e applicant the original breeder? If no, please answer the following:		YES	No		
а	If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name or	f country				
			- vee	□ato.		
b	 If original rights to variety were owned by a company: is the original breeder(s) U.S. based company? If no, give name of our original breeder(s) 	eountry	YES	No		
11. Add	itional explantion on ownership (If needed, use reverse for extra space)					
		·				
LEASE	E NOTE:					
•	E NOTE:	one of the following criteria:		· · · · · ·		
lant varie		st be a U.S. national, national of a	UPOV men	nber country, or national		
lant varie If the roof a co	ety protection can be afforded only to owners (not licensees) who meet	st be a U.S. national, national of a same genus and species. iginal breeder(s), the company mu	st be U.S. b	pased, owned by		
Plant Varie I. If the r of a co 2. If the r national genus a	rights to the variety are owned by the original breeder, that person mubuntry which affords similar protection to nationals of the U.S. for the striphts to the variety are owned by the company which employed the original by the company which employed the original of a UPOV member country, or owned by nationals of a country which	st be a U.S. national, national of a same genus and species. iginal breeder(s), the company mu ch affords similar protection to na	st be U.S. b	pased, owned by se U.S. for the same		

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